

PATENT APPLICATION DECLARATION

(Attorney's Docket No.: 3100.002US1)

Each of the Applicants named below hereby declares as follows:

- 1. My residence, post office address and country of citizenship given below are true and correct.
- 2. I believe I am the original, first and joint inventor of the subject matter which is claimed and for which a patent is sought in the patent application entitled "ENDODERM, CARDIAC AND NEURAL INDUCING FACTORS," Serial No. 08/878,474, filed June 18, 1997, and I have reviewed and understand the contents of the specification, including its claims.
- 3. I acknowledge my duty to disclose to the Office all information known to me to be material to patentability of this application, in accordance with 37 C.F.R. Section 1.56, which is defined on the attached page.
- 4. This application claims the benefit of U.S. Provisional Application No. 60/020,150, filed June 20, 1996. I acknowledge my duty to disclose information of which I am aware which is material to the examination of this application, as defined in §1.56, which occurred between the filing date of the prior application and the filing date of this application.

I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Date: Tes 22, 1999

Edward M. De Robertis

Residence and 16958 Dulce Ynez Lane

Post Office Address: Pacific Palisades, California 90272

(Citizenship: D.S.A.)

Date: 22 - 2 - 99

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Post Office Address:

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69117 Heidelberg, Germany

(Citizenship: The Netherlands)

Section 1.56 Duty to Disclose Information Material to Patentability.

- A patent by its very nature is affected with a public interest. The public interest is best served, and the most effective patent examination occurs when, at the time an application is being examined, the Office is aware of and evaluates the teachings of all information material to patentability. Each individual associated with the filing and prosecution of a patent application has a duty of candor and good faith in dealing with the Office, which includes a duty to disclose to the Office all information known to that individual to be material to patentability as defined in this section. The duty to disclose information exists with respect to each pending claim until the claim is cancelled or withdrawn from consideration, or the application becomes abandoned. Information material to the patentability of a claim that is cancelled or withdrawn from consideration need not be submitted if the information is not material to the patentability of any claim remaining under consideration in the application. There is no duty to submit information which is not material to the patentability of any existing claim. The duty to disclose all information known to be material to patentability is deemed to be satisfied if all information known to be material to patentability of any claim issued in a patent was cited by the Office or submitted to the Office in the manner prescribed by §§ 1.97(b)-(d) and 1.98. However, no patent will be granted on an application in connection with which fraud on the Office was practiced or attempted or the duty of disclosure was violated through bad faith or intentional misconduct. The Office encourages applicants to carefully examine:
 - (1) prior art cited in search reports of a foreign patent office in a counterpart application, and
 - (2) the closest information over which individuals associated with the filing or prosecution of a patent application believe any pending claim patentably defines, to make sure that any material information contained therein is disclosed to the Office.
- (b) Under this section, information is material to patentability when it is not cumulative to information already of record or being made of record in the application, and

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- (1) It establishes, by itself or in combination with other information, a prima facie case of unpatentability of a claim; or
 - (2) It refutes, or is inconsistent with, a position the applicant takes in:
 - Opposing an argument of unpatentability relied on by the Office, or
 - (ii) Asserting an argument of patentability

A prima facie case of unpatentability is established when the information compels a conclusion that a claim is unpatentable under the preponderance of evidence, burden-of-proof standard, giving each term in the claim its broadest reasonable construction consistent with the specification, and before any consideration is given to evidence which may be submitted in an attempt to establish a contrary conclusion of patentability.

- (c) Individuals associated with the filing or prosecution of a patent application within the meaning of this section are:
 - (1) Each inventor named in the application;
 - (2) Each attorney or agent who prepares or prosecutes the application; and
 - (3) Every other person who is substantively involved in the preparation or prosecution of the application and who is associated with the inventor, with the assignce or with anyone to whom there is an obligation to assign the application.
- (d) Individuals other than the attorney, agent or inventor may comply with this section by disclosing information to the attorney, agent, or inventor.

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Date: 8/31/98

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Post Office Address Los Angeles, California 90024
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Tewis Bouwneester

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Serial No.: 08/878,474

PLOECK 56 69117 HEIDELBERG, GERMA

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PATENT APPLICATION DECLARATION

(Attorney's Docket No.: 3100.002US1) (UC Case No.: LA96-092-01)

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Residence and Post Office Address:

Edward M. De Robertis 16958 Dulce Ynez Lane Pacific Palisades, CA 90272

(Citizenship) U.S.A.)

Date:

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(Oitizenship: The Netherlands)

-1-

Serial No.: 08/878,474

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Receipt is hereby acknowledged for the following the U.S. Patent and Trademark Office: In re Patent of: De Robertis et al.

For: ENDODERM, CARDIAC AND NEURAL INDUCING FACTORS

Serial No.: 09/552,988

Filed: April 21, 2000

Docket: 510015-248 The tent that that Due Date: _N/A Date of Deposit: December 5, 2000 Ų ☑ Transmittal sheet, in duplicate, containing Certificate of Mailing
 ☑ Revocation and Substitute Power of Attorney L ۲IJ Ų CB/as ä [] , f ķā Receipt is hereby acknowledged for the following the U.S. Patent and Trademark Office: ļ4 [] In re Patent of: De Robertis et al.
For: ENDODERM. CARDIAC AND NEURAL INDUCING FACTORS
Serial No.: 09/552,988
Filed: April 21, 2000
Docket: 510015-248 ķā

Date of Deposit: December 5, 2000

CB/as

Dec Date: _NA

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:

De Robertis et al.

Examiner:

Unknown

Serial No.

09/552,988

Group Art Unit:

1646

Filed:

April 21, 2000

Docket No.

510015-248

Title:

ENDODERM, CARDIAC AND NEURAL INDUCING FACTORS

CERTIFICATE UNDER 37 C.F.R. 1.8: The undersigned hereby certifies that this paper and its enclosures are being deposited in the United States Postal Service, as first class mail, with sufficient postage, in an envelope addressed to Assistant Commissioner for Patents, Washington, D.C. 20231, on

Amber Stewart

REVOCATION AND SUBSTITUTE POWER OF ATTORNEY

Assistant Commissioner for Patents Washington, D.C. 20231

Sir:

In the matter of the above-identified application, I hereby revoke all power of attorney heretofore given and hereby appoint:

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Charles Berman, Reg. 29,249
Louis J. Bovasso, Reg. 24,075
Marc E. Brown, Reg. 28,590
Christopher Darrow, Reg. 30,166
Michael B. Farber, Reg. 32,612
Scott R. Hansen, Reg. 38,486
Michael D. Harris, Reg. 26,690
Douglas N. Larson, Reg. 29,401
Spyros J. Lazaris, Reg. 45,981
Sung Oh, Reg. P45,583
David J. Oldenkamp, Reg. 29,421
William Poms, Reg. 18,782
Alan C. Rose, Reg. 17,047
Charles Rosenberg, Reg. 31,464

Guy P. Smith, Reg. 20,142
Ronald S. Tamura, Reg. 43,179
Gregory B. Wood, Reg. 28,133
Daniel Chapik, Reg. 43,424
Harold D. Jastram, Reg. 19,777
Alan D. Kamrath, Reg. 28,227
Chad Klingbeil, Reg. 33,002
Craig J. Lervick, Reg. 35,244
Cyrus Morton, Reg. 44,954
Bruce Canter, Reg. 34,792
Louis C. Cullman, Reg. 39,645
Monique Heyninck, Reg. P44,763
James W. Inskeep, Reg. 33,910

Kurt A. MacLean, Reg. 31,118
Ben H. Bedi, Reg. 39,904
Everitt George Beers, Reg. 40,508
Michael K. Bosworth, Reg. 28,186
Justin F. Boyce, Reg. 40,920
Chris W. Chou, Reg. 41,672
Anthony B. Diepenbrock III, Reg. 39,960
Robert O. Guillot, Reg. 28,852
Claude A.S. Hamrick, Reg. 22,586
Esther La, Reg. 43,734
Leah Sherry, Reg. 43,918
Marc Bobys, Reg. 45,267

Attorney Docket No. 510015-248

ASSIGNMENT

U.C. Case No. 2001-054-1

For good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR(S).

1. Edward M. DeRobertis

2. Tewis Bouwment

hereby sells, assigns and transfers to ASSIGNEE. The Regents of the University of California, a California
Corporation, having its statewide administrative offices located at 1111 Franklin Street, 5th Floor, Oakland, CA
94607-5200, and the successors, assigns end legal representatives of the ASSIGNEE all of its right, title and interest
for the United States and its territorial possessions and in all foreign countries in and to, any and all improvements which are disclosed in the invention entitled:

	sich is found in		
(=)	U.S. provisional applicati	on filed berewith and lis	ring the above named persons as inventors
(b)	U.S. patent application filed herewith and listing the above names persons as inventors		
(c)	U.S. application strial no	. 09/552.988. 1Ded on A	eril 21, 2000
(q)	U.S. Patent No.:	issued	
Patent	to be optained for 2810 magnitud	by the above approach	the right to claim priority and, in and to, all Letters of or any continuation, division, continuation-in-part, and any reissue, recommission or extension of said for the Protection of Industrial Property;
40010	SNORS(S) hereby covenants that d into which would conflict with	no essignment, cale, agr	reement or encumbrance has been or will be made or
ASSIC facts a access and wi	SNOR(S) further covenants that A and documents relating to said inv thic to ASSIGNOR and will test till promptly execute and deliver t	LSSIGNEE will, upon it writion and said Letters I fy as to the same in any o ASSIGNEE or its legs	s request, be provided promptly with all pertinent Patent and legal equivalent as may be known and interference, lingation, of proceeding relating thereto il representative any and all papers, instruments of the second continuous and said Letters
affidav Patent attorne filing	vits required to apply for, obtain, and said equivalents thereof whi ey of record is authorized and req date and serial number of said ap	ch may be necessary or plication when officially	desirable to carry out thepurposes thereof. An of this assignment to insert into this assignment the known.
AND United	the <u>ASSIGNOR(S)</u> requests the (A States an any reissate or extension	Commissioner of Patents on thereof to the ASSIG	and Trademarks to issue said Letters Patent of the NEE, The Regents of the University of California.
	and this		Go De Proposition
7	day of December 2000		Edward M. DeRebertis
	sed this		Signature of Isventor(s)
42000			



UNITED STATES DEPARTMENT OF COMMERCE Patent and Trademark Office ASSISTANT SECRETARY AND COMMISSIONER OF PATENTS AND TRADEMARKS Washington, D.C. 20231

APRIL 10, 2001

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OPPENHEIMER WOLFF & DONNELLY LLP CHARLES BERMAN 2029 CENTURY PARK EAST, 38TH FLOOR LOS ANGELES, CA 90067-3024



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THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 01/22/2001

REEL/FRAME: 011469/0424

NUMBER OF PAGES: 2

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

DEROBERTIS, EDWARD M.

DOC DATE: 12/07/2000

ASSIGNOR:

BOUWMEESTER, TEWIS

DOC DATE: 12/08/2000

ASSIGNEE:

REGENTS OF THE UNIVERSITY OF CALIFORNIA, THE 1111 FRANKLIN STREET, 5TH FLOOR OAKLAND, CALIFORNIA 94607-5200

SERIAL NUMBER: 09552988

PATENT NUMBER:

FILING DATE: 04/21/2000

ISSUE DATE:

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DOCKETED

PAULA MCCRAY, EXAMINER ASSIGNMENT DIVISION OFFICE OF PUBLIC RECORDS APR 1 8 2001

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whose address is:

OPPENHEIMER WOLFF & DONNELLY LLP

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2029 Century Park East, 38th Floor Los Angeles, California 90067-3024 Telephone (310) 788-5000 Telefax (310) 788-5100 Attention: Krista Vink Venegas

to represent the undersigned before the United States Patent and Trademark Office and to make or receive payments on behalf of the undersigned. Please direct all future correspondence and telephone calls to:

OPPENHEIMER WOLFF & DONNELLY LLP

2029 Century Park East, 38th Floor Los Angeles, California 90067-3024 Telephone (310) 788-5000 Telefax (310) 788-5100 Attention: Krista Vink Venegas

Junda & Stevenson

November 27, 2000.

Name: Linda S. Stevenson

H.

Title: Manager, Patent Prosecution

UC Case No. 96-592-3

LA: 263614 v01 11/17/2000

O 01-31-2001

FORM PTO-1595

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U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

(Rev. 6-93) OMB No. 0651-0011 (exp. 4/94) 101601052 Docket No.- 30962.2-US-U1 To the Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof 2. Name and address of receiving party(ies): Name of conveying party(ies): The Regents of the University of California Edward M. DeRobertis 1111 Franklin Street, 5th Floor Tewis Bouwmeester Oakland, California 94607-5200 10.06 Additional name(s) of conveying party(ies) attached?
Yes
No Nature of conveyance: Assignment Merger Security Agreement Change of Name Other: 2 2 200 Execution Date: December 7, 2000 and December 8, 2000 Application number(s) or patent number(s): 09/552,988 If this document is being filed together with a new application, the execution date of the application is: B. Patent No.(s) 09/552,988 A. Patent Application No.(s) Additional numbers attached? Yes No

Name and address of party to whom correspondence concerning
6. Total number of applications and patents involved: 1 document should be mailed: 7. Total fee (37 CFR 3.41): \$40.00 Enclosed Charles Berman, Esq. Name: Authorized to be charged to deposit account OPPENHEIMER WOLFF & DONNELLY LLP Address: 2029 Century Park East, 38th Floor 8. Please charge any additional fees or credit any Los Angeles, CA 90067-3024 overpayments to our Deposit account number: 16-2230 DO NOT USE THIS SPACE 9. Statement and signature: To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. January 17, 2001 Charles Berman Date Signature Name of Person Signing Do not detach this portion Mail documents to be recorded with required cover sheet information to: Commissioner of Patents and Trademarks
Box Assignments Box Assignments
Washington, D.C. 20231

Public burden reporting for this sample cover sheet is estimated to average about 30 minutes per document to be recorded, including time for reviewing the document and gathering the data needed, and completing and reviewing the sample cover sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Office of information systems, PK2-1000C, Washington, D.C. 20231, and to the Office of Management and Budget, Paperwork Reduction Project (0651-0017), Washington, D.C. 20503. 01/30/2001 GTON11 00000195 09552988